INDEX OF AUTHORS.

A

Abel, Sir F., Carbon in steel, 114
Anschuetz, R., Acetylchloride on fumaric acid, etc., 18
——New synthesis of anthracene, 132
Archibald, G., Paper pulp, 122
Atkinson, R. W., Bismuth and antimony compounds, 113

B

Baird, J. W., Dictionary of the action of heat upon certain metallic salts, 135
Baeyer, A., Compounds of the indigo group, 21
——Indigo blue preparation, 63
Ballert, A., Anthramin, 25
Ballo, Carbonic Acid Hydrate, 64
Baumert, G., action of sodium on lupinin, 17
——Anhydrolupinin, 17
Bechamp, A., Decomposition of hydrogen dioxide by fibrin, 120
Beilby, G., Specific gravity of paraffin, 236
Bennert, C., Acetylchloride on fumaric acid, etc., 18
Berthelot, M., Lead iodide, 120
Bevan, E. J., Lignification, 91
——Oxidation of cellulose, 92
Billitz, G., Pyro-sulphuryl-chloride, 126
Bloxam, C. L., Identification of silver cyanide, 245
Boisbaudran, L. de, Separation of gallium, 118
——Gallium, 118
Bokarny, Th., Reducing properties of protoplasm, 20
Brauner, B., Cerite metals, 113
Breneman, A. A., Determination of Carbon in cast iron, 56
——Analysis of gases, 76
Brunck, H., Soluble alizarin blue, 51

C

Casamajor, P., Detection of anhydrous glucose mixed with refined cane sugar, 41
Ciamician, G. L., Chlorocyanogen on pyrrol, 64
Claisen, L., Hydrocyanic acid with HCl, etc., 67
Claparede, A., By product in the manufacture of aurin, 234
Claus, A., Tetro-brom-chinolin, etc., 24
Cleve, P. T., Samariun and its compounds, 234
Cowper, R., Action of chlorine on metals, 99
Cross, C. F., Lignification, 91
——Oxidation of Cellulose, 92

D

Dale, R. S., Phenates of amido-bases, 100
Darton, N. H., Ammonia process water analysis, 104
Davis, G. W., Quinoline belongs to aromatic series, 61
——Compounds of naphthaline, etc., 60
Deering, W. H., Carbon in steel, 114
Deherain, P. P., Reduction of nitrates in soils, 117
——Reduction of nitrates in soils, 118
——Nitrates in soils, 119
Demel, W., Dopplerite of Aussee, 63
Demestedt, M., Chlorocyanogen on Pyrrol, 64
Divers, E., New oxide of Tellurium, 115
——Reactions of Tellurium, 116
——Sulphoxide of Tellurium, 116
Ditte, A., Disulphide and diselenuride of tin, 117
Draiosen, V., Preparation of indigo blue, 63
Dupetit, Fermentation of nitrates, 117
Dyson, S., Brominated carbon compounds, 93

E

Elliott, A. H., Abstracts, 29, 58
Elsbach, L., Compounds of naphthochinon, 19

Eltzbacher, F., New synthesis of anthracene, 132
Erlenmeyer, E., Synthesis of cinnamic acid, 65
Eyster, Geo. S., Rotation left-handed solutions, 104
——New form of overflow pipette, 218

F

Fauconnier, Mannitic-anhydride, 102
Fehrmann, Preparation of lead peroxide, 126
Fischer, O., Alphaoxychinolin, 19
——Condensation products of aromatic bases, 19
——New class of dye stuffs, 28
——Violet derivatives of Triphenylmethane, 241
Fischer, Emil, Triacetonalkylamin, 134
——Phtalylacetic-acid-ether, 238
——Chinazol compounds, 238
——A reaction of aldehydes, 239
Fittig, R., Isomer of itaconic acid, 124
Flight, W., Aluminous minerals, 97
Foster, W., Behavior of nitrogen in destructive distillation, 95
Frankland, P. F., Allyl iodide on phenol, 234
Friedlander T., Dinitro cinnamic acid, 242

G

Gayon, M., Fermentation of nitrates, 117
Gawalovski, A., Indicator for alkalimetry, etc., 245
German, L., Violet derivatives of triphenyl methane, 241
Gilbert, J. H., Chemistry "of fairy rings," 102
Gladstone, J. H., Laboratory notes, 232
Gleichmann, L., Di- and tri-phenylphosphine, 22
Graehl, C., Soluble alizarin blue, 51
Grandeau, H., Decomposition of phosphate, etc., 119
Graves, E. E., Estimation of halogens in organic compounds, 96
Gresly, J., and F. Meyer, Mesitylenphthaloylic acid, 18
Griffiths, A. B., Contents of plant cells, 101
Grosjean, B., Tartaric and citric acids, 231
Guyot, P., Alunite, 117

H

Halberstadt, W., Vanadintrichlorid, etc., 50
Hartley, W. N., Spectrum of beryllium, 115
Hartley, W., Homologous spectra, 236
Henry, L., Allylic alcohol, 119
Hell, C., Bromine on carbon bisulphide, 26
Hellon, R., Sulphocyanaceton, 122
Heim, R., Aromatic phosphoric acid ethers, 18
Heumann, K., Burning of sulphur, 65
——Nomenclature of azo compounds, 24
——Pyro-sulphuryl-chloride, 126
Hodgkinson, W. R., Fluorene, 99
Hofmann, A. W. Bromine on amides, 21
——Amides of mono basic acids, 25
——Mustard oils, 26
——History of conydrin, 53
——Action of bromine on amines, 129
——Piperidin and pyridin, 131
Hoffmann, L., Tetra-hydro chinolin, 241
Hjelt, E., Allylsuccinic acid etc.

I

Istel, E., Tetra-brom-chinolin, etc., 24

J

Jackson, H., Action of sulphuric acid on KI., 232
Jahns, E., Carvacrol in essential oil, 24
James, J. W., Ethylene-chloro-bromide, 93
Janoosky, substitution products of azobenzol, 54
Japp, F. R., Lophine, 91
——Phenanthraquinone, 92
——Dicarbonyl, 101
Julius, P., Behavior of silver chloride, etc., 245
Jutz, G. W., Monochlorocinnamic acid, 22

K

Kalischer, S., Molecular structure of metals, 21
Kauffmann, G., Beta-naphthol-aldehyd, 23
Kelbe, W., Methyl alcohol, 123
Kiliani, H., Saccharin, 20
——Preparation of lactic acid, 20
Kirchner, G., Action of lead and manganese oxides, 23

Kjedahl, J., Determination of nitrogen, 243
Koch, H., Phtalylacetic-acid-ether, 238
Kuzel, H., Chinazol compounds, 238
Koehnlein, B., Paraffines, 130
Koenigs, W., Tetrahydrochinolin, 241
Kubel, W., Basic acetate of magnesium, 19
Knyrim, M., Chloro-acetic-ether, 128

L

Laar, C., Diphenylamin, etc., in qual. anal, 52
LaCaste, W., Bases produced by chinolin. etc , 23
Lachowicz, B., Phosphorus chlorides on phenanthren-chinon, 69
Lantschinoff, P., Isocholic acid, 21
Lawler, C. J., New aspirator, 71
Leeds, A. R., Xyldine-acrolein, 1
——Œnanthol - aniline - xylidine and naphthylamine, 2, 66
——Solid residue from the distillation of castor oil in vacuo, 4
——Cryptidine, 7, 67
——Acrolein-urea, with remarks on Mr. Hugo Schiff's publications on Ureas, 36
——Analysis of soap, 44
——Test for organic impurities, etc., 74
——Action of nascent oxygen, etc., 78
——Atomation of oxygen, 204
Leplay, H., Sugar beet, 118
——Sugar beet, 119
——Chemical studies on coru, 120
Lellmann, E., Diphenylamin, etc., 24
——New class of amidines, 24
Liebermann, C., Anthramin, 25
Linds, D., Estimation of Phosphoric acid, 243
Link, W., Nitro amido, and oxy methyl anthrachinon, 240
——Amido-methyl anthrol, 241
Lippmann, E., Azylines, 52
Livoff, J., Methyl alcohol, 123
Livon, C., Chronic poisoning by antimony, 118
Loewand, O., Reducing properties of protoplasm, 20
Loew, O., Alterations of preserved milk, 28
Louïse, E., Acetone, 117
——New hydrocarbon, 121
Lowe, J., Separation of Bismuth & Copper, 244

M

Maehly, J., Dinitro cinnamic acid, 242
Maquenne, L. M., Reduction of nitrates in soils, 118
——Nitrates in soils, 119
——Reduction of nitrates in soils, 119
Marquardt, L., Determination of fusel oil, 27, 50
Masson, O., Nitrous anhydride on glycerol, 233
Matthews, F. E., Fluorene, 99
——Condensation products of aldehydes, 101
Matthews F., Hydrocyanic acid with HCl., etc., 67
Maumenè, E. J., Œnocyanine, 119
McLeod, H., Evaporation in vacuo, 235
Meldola, R., Napthalene, bromine derivatives of, 91
Meyer, Victor., Hydroxylamine chloride, 62
——Isonitroso compounds, 65
——Benzil, 126
——Nitroso-malonic acid, 131
Meyer, Richard, Microscopic examination of printed cotton goods, 125
Meyer, F. and J. Gresly, Mesitylenphthaloylic acid, 18
Meyer, F., Acids from xylols and phtbalic anhydride, 17
Meyer, R., Synthesis of parapropyl benzoic acid, 20
——Synthesis of cuminic acid, 51
Merz, V., Synthetical oxalic acid, 50
Michaelis, A., Di- and triphenyl phosphin, 22
——Aromatic antimony compounds, 63
Miller, A. K., Dihydroxybenzoic acids, etc., 29, 59
Mills, E. J., Absorption of weak reagents by cotton, etc., 98
Morley, H. F., Oxypropyltoluidine, 29, 58
——Thioxalic ether, 236
Mueller, A. D., Nitroso-malonic acid, 131
Mueller, C. L., Action of lead and manganese oxides, 23
Mueller, E. Synthesis of parapropyl benzoic acid, 20
——Synthesis of cuminic acid, 51

N

Naegeli, E., Hydroxylamin, 126
Neville, R. H. C., Orcinol, etc., 61
Neymann, P , Abstracts, Berichte, 17, 50, 62, 238
Nicol, W. W. J., Volume alteration of salt solutions, 97
Nilson, L. F., Atomic weight of thorinium, 118

Noack, E., Preparing carbonic oxide, 64
Norton, C. H., Sulphocyanpropimin, 122

O

O'Shea, L. T., Bleaching powder, 237

P

Paal, C., Action of acetyl-chloride on benzaldehyde, 133
Parmentier, F., Molybdic acid, 118
Pastrovich, P., Artificially colored wines, 23
Penzoldt, F., Reaction of aldehydes, 239
Perkin, A. G., Diphenyl-ketone-oxide, 100
Perkin, W. H., Diphenylene-ketone-oxide, 93
——Nitro-benzyl-cyanide, 96
——Diphenyl-keton-oxide, 121
Perkin, W. H., Jr., Isobutylaldehyde, 94
——Œnanthaldehyde, 94
Pickering, S. U., Molecular compounds, 100
——Basic ammonio-copper sulphate, 231
Pinner, A., Conversion of nitrates to Imides, 123
Pitkin, Lucius, Action of sulphuric acid on lead, 220, 224
Plimpton, R. T., Halogen compounds of acetylene, 29, 58
——Estimation of halogens in organic compounds, 96
Poney, C. de, Chronic poisoning by antimony, 118

R

Radzisewski, B., New glyoxalides, 242
Rammelsberg, C., Potassium sesquicarbonate, 66
Reese, A., Aromatic antimony compounds, 63
Reinhart, H., Methylating and ethylating etc., 64
Reisseneger, H., Hydrazins with Ketones, 239
Rémont, Salicylic acid, 118
Rhoussopoulos, O., Chinolin derivations, 52
——Chinolin on chloroform, etc., 66
Riban, T., Chlorinated phosphorus compounds, 120
Richter, V., Cinnolin derivatives, 239
Roemer, H., Nitro amido and oxymethyl anthrachinon, 240
——Amido methylanthrol, 241
Rolder, Fr., Isomer of itaconic acid, 124
Ruegheimer, L., Artificial piperin, 28
Rudolph, C., New class of dye stuffs, 28

S

Salomon,, G., Paraxanthin in urine, 65
Scheffer, J. D. R., Investigations on diffusion, 22
Schiff, Hugo, Remarks on his publications on condensed ureas, A. R Leeds, 36
Schotten, C., Oxidation of piperidin, 133
Schorlemmer, C., Phenates of amido bases, 100
Schulz, H., Chlorides and bromides on chinones, 19
Schulze, E., Separation of asparagin, 63
Schwartz, H., Lecture experiments, 53
Seyda, A., Sulphonic acids of hydrochinon, 239
Shaw, S., Pentathionates, 233
Shenstone, W. A., Brucine, 95
——Modified Liebeg's condenser, 97
Shimose, M., New oxide of tellurium, 115
——Reactions of tellurium, 116
——Sulphoxide of tellurium, 116
Silliman, Benj., Obituary notice of Dr. J. L. Smith, 228
Simon, S. E., New method of preparing alizarin orange, 20
Skraup, T., Chinolin derivatives, 25
Smith, Dr. J. Lawrence, Obituary of, 228
Smith, W., Compounds of naphthalene, etc., 60
——Quinoline belongs to aromatic series, 61
——Penthathionic acid, 234
——By product in manufacture of aurin, 234
Smithelis, A., Uranium, Fluorine compounds of, 97
Solly, R H., Antimonio-potassic-chloro-bromide, 114
Spring, W., Expansion of alums, 27
——Formation of arsenides, 68
Staedel, W., Methylating and ethylating, etc., 64
Standemann, Mustard oil, 128
Stebbins, J. H. Jr., Action of diazoanisole chloride on phenols, etc., 32, 55
Stoddard, J. T., Flashing point of petroleum, 53

Streatfield, F. W., Phenanthraquinone, 92
Stuart, C. M., Condensation products of Benzoic aldehyd, 237

T

Takimine, J., Absorption of weak reagents by cotton, etc., 98
Tahn, H.. Vapor density of bromine, 26
Thomas, E. G. P., Induline, 96
Thorn, L. T., Fractional distillation, 114
Tleisner, F., Azylines, 52
Tollens, B., Ammoniacal silver as reagent for aldehyde, 50
Traube, M., Production of active oxygen, 19
——Platinum, etc., with CO_2, 62
——Phthalic anhydride on chinolin, 67
Tribe, A., Laboratory notes, 232
Tscherniac, J., Sulphocyanaceton, 122
——Sulphocyan propimin, 122
Turner, F., Allylic iodide on phenol, 234
Typke, P. G. W., Nitro-derivatives of resorcin, 129

U

Urech, F., Bromine on carbon bisulphide, 26

V

Venable, F. P., Heptylmalonic and heptylacetic acids, 10
——Abstracts, 243
Veley, V. H., Rate of decomposition of ammonium nitrate, 235
Von der Pfordten, O. F., Reduction of molybdanum, 51
——Determination of P_2O_5, 52
Volta, Prize, 121

W

Warington, R., Tartaric acid and citric acids, 231
Wallach, O.,Oxalines and glyoxalines, 19
Waller, Elwyn, Abstracts, 91, 112, 231
Warrington, R., Chemistry of "fairy rings," 102
Weber, A., Aromatic phosphoric acid ethers, 18
Webster, C. S., Analysis of plant fibres, 92
Weith, W., Synthetical oxalic acid, 50
Weller, A., Estimation, etc., of titanium, 54
Winther, A Orcinol, etc., 61
Witt, O. N.., Induline, 96
Wittenberg, Max, Benzil, 126
Woff, B., Precipitation of Manganese, 244
Wright, L. T., Hydrated ferric oxide, 99
——Coal gas, etc., 112

Y

Young, S., Lactones, 100
——Test for gallic acid, 245

Z

Zimmermann, C., Atomic, weight etc. of uranium, 25
Zimmermann, J., Chloro-acetic-ether, 128

INDEX OF SUBJECTS.

A

Abstracts, Berichte, 17, 50, 62, 121, 238
——London Chemical Society, A. H. Elliott, 29
——London Chemical Society, E. Waller, 91, 112, 231
——Comptes rendus, A. Bourgougnon, 117
——Zeitsch. J. Anal. Chem., F. P. Venable, 243
Acetic, heptyl, and heptyl malonic acids, F. P. Venable, 10
Acetone, Action of aluminium chloride on, 117
Acetyl-chloride, Action on benzaldehyde, 133
Acetyl-chloride, Action on fumaric acid, etc., 18
Acetylene, Halogen compounds of, 29, 58
Acrolein-urea, A. R. Leeds, 36
Acrolein, Xylidine, by A. R. Leeds, 1
Alcohol, Methyl, from colophonium, 123
——Alleged tests for, 233
Aldehydes, Condensation products of, 101
Aldehyde, Reagent for, 50
Aldehydes Reaction of, 239
Alizarin blue, Soluble, 51
Alizarin orange, Preparing, 20
Alkalimetry, Indicator, 245
Allyl succinic acid, etc., 69
Allylic alcohol, 119
——Iodine on Phenol, 234
Aluminium, Mineral species of, 97
Alums, Expansion of, 27
Alunite, 117
Amides, Bromine on, 21
Amides of mono-basic fatty acids, 25
Amidines, New class of, 24
Amidomethylanthol, 241
Amines, Action of bromine on, 129
Ammonia process, Water analysis, N. H. Darton, 104
Ammonio-Copper Sulphate, 231
Ammonium Nitrate, decomposition of, 235
Anhydrolupinin, 17
Anilin, Œnanthol, etc., A. R. Leeds, 2, 66
Anilin and toluidin, Methylating, etc., 64
Anilin, etc., in qualitative analysis, 52
Antimony, Aromatic compounds, 63
Antimony, Chronic poisoning by, 118
Antimony, Compounds with bismuth, 113
Antimonio-potassic-chloro-bromide, 114
Antimony trichloride, Compounds with benzene, 60
Anthracene, New synthesis of, 132
Anthrachinon Nitroamido, etc., 240
Anthramin, 25
Apparatus for rapid gas analysis, A. A. Breneman, 76
Aromatic bases, Condensation products of, 19
Arsenic, Aromatic compounds, 63
Arsenides formed by pressure, 68
Asparagin, separation of, 63
Aspirator, New, C. J. Lawler, 71
Atomation of oxygen, A. R. Leeds, 204
Aurin, by product in manufacture of, 234
Azo-benzol, Substitution products of, 54
Azo-compounds nomenclature, 24
Azylines, 52

B

Benzene, etc., Compounds with $SbCl_3$, 60
Benzil, 126
Benzoic acid, Parapropyl, Synthesis, 20
Benzoic acids, Dihydroxy-, etc., 29, 59
——Benzoic aldehyde, condensation products, 237
Beryllium, Spectrum of, 115
Bismuth, Compounds with antimony, 113
Bismuth, Separation from copper, 244
Bleaching Powder, 237
Brandy, Determination of fusel oil in, 27, 50

Bromine, Vapor density of, 26
Bromine on carbon bisulphide, 26
Bromine, Carbon Compounds of, 93
Brucine, 95

C

Carbon, Brominated compounds of, 93
Carbon, Condition in steel, 114
Carbon in cast iron, Determination of, A. A. Breneman, 56
Carbon monoxide, Conversion of, by nascent oxygen, A. R. Leeds, 78
Carbonic acid hydrate, 64
Carbonic oxide, Preparation of, 64
Carvacrol in essential oil, 24
Castor oil, Solid residue from distillation of, in vacuo, A. R. Leeds, 4
Cellulose, Oxidation of, 92
Cells, Contents of, 101
Chemistry, Cerite metals, 113
Chinazol Compounds, 238
Chinones, Acid chlorides and bromides on, 19
Chinolin, Alpha-oxy-, 19
Chinolin, etc., Bases produced by addition of, 23
Chinolin, Tetrabrom-, and diiodo-, 24
Chinolin, Tetrahydro, 241
Chinolin derivatives, 25
Chinolin derivatives, 52, 239
Chinolin on chloroform, etc., 66
Chinolin, Phthalic anhydride on, 67
Chlorine, Action of, on metals, 99
Chloroacetic ether, Action of, on Primary diamines, 128
Chloro-sulphonic acid, 126
Cinnamic acid monochloro-, 22
Cinnamic acid, Synthesis of, 65
Cinnamic acid, Dinitro, 242
Citric and Tartaric acids, 231
Coal gas, Estimation H_2S and CO_2, 112
Condenser, Liebig's, modified, 97
Conydrin, History of 53
Copper, Separation from bismuth, 244
Cotton, Absorption of weak reagents by, 98
Cotton, Microscopic examination of printed goods, 125
Corn, Chemical studies of, 120
Cryptidine, A. R. Leeds, 7, 67
Cuminic acid, Synthesis of 51
Cyanic acid, Hydro-, with HCl and HBr, 67
Cyanide of Silver, Detection of, 245
Cyanogen, Chloro- on pyrrol compound, 64

D

Diazo-anisole-chloride, Action on phenols, etc., J. H. Stebbins, 32, 55
Diffusion, Investigations on, 22
Diphenylamin, etc., 24
Di-carbonyl, 101
Diphenylamin, etc., in qualitative analysis, 52
Diphenyl, Keton-oxide, 121
Diphenylene—Keton oxide, 93
Diphenyl—Ketone oxide, 100
Dopplerite of Aussee, 63
Dye stuffs, New class of, 28

E

Estimation of hydrogen sulphide and carbonic anhydride in coal gas, 112
Ethers, preparation of aromatic phosphoric acid, 18
Ethylanilin, etc., Compounds with naphthochinon, 19
Ethylene, Chlorobromide, 93
Evigtokite, 97
Evaporation in vacuo, 235

F

"Fairy Rings," Chemistry of, 102
Fluorene, Derivatives of, 99
Fractional distillation under reduced pressures, 114
Fumaric acid, Action of acetyl chloride, etc., on, 18
Fusel oil in brandy, Determination, 27, 50

G

Gallium, Separation of, 118
Gallium, Separation of, 118
Gallic acid, Test for, 245
Gases, rapid analysis of, by A. A. Breneman, 76
Glucose, Anhydrous, detection in cane Sugar, P. Casamajor, 41
Glyoxalies, Some new, 242
Glyoxalines and oxalines, 19

H

Halogens, Estimation of, in volatile organic compounds, 96
Heat, Dictionary of the action of, upon certain metalic salts, by J. W. Baird, 135
Heptyl malonic and heptylocetic acids, F. P. Venable, 10
Hydrazins with Ketones, 239
Hydrochinon, Sulphonic acids of, 239
Hydroxylamine, 232

Hydroxylamin chloride, 62
Hydroxylamin, Researches on, 126
Hydrocarbon, New, 121
Hydrogen dioxide, Decomposition of, by fibrin, 120

I

Indicator in alkalimetry, etc., 245
Indicators with alkaline phosphates, 53
Indigo group, Compounds of, 21
Indigo blue from orthonitrobenzaldehyd, 63
Induline, 96
Iodine, Recovery of, 232
Iron, Hydrated oxide of, 99
Isocholic acid, 21
Isobutylaldehyde, Condensation products of, 94
Isonitroso compounds, 65
Itaconic acid, New unsaturated acid isomeric with, 124

K

Ketones, Compounds with Hydrazins, 239

L

Lactic acid, Preparation of, 20
Lactonic acid, Carbo-capro-, 69
Lactones, 100
Lead and manganese dioxides, Action of, 23
Lead peroxide, 51
Lead, Iodide of, 120
——Lead, Spongy, 233
Lecture experiment, Zinc dust, etc., 53
Lignification, Chemistry of, 91
Liskeardite, 97
London Chemical Society, Abstracts, 29, 58, 231
Lophine, Constitution of, 91
Lupinin, Action of sodium on, 17

M

Manganese and lead dioxides, Action of, 23
Manganese, Precipitation of, 244
Magnesium acetate basic, 19
Malonic, heptyl- and heptylacetic acids, F. P. Venable, 10
Mannitic anhydride, 120
Mesitylenphthaloylic acid, 18
Meta-nitro phenyl mustard oil, 128
Metals, molecular structure of, 21
Milk, Alterations of preserved, 28
Molybdenum compounds, Reduction of, 51
Molybdic acid, Hydrate of, 118
Molecular weight of ferric sulphate, etc., 100
Mustard oils, Preparation, 26

N

Naphthylamine, Œnanthol-, etc., A. R. Leeds, 2, 66
Naphthalene, Bromine derivatives, 91
Naphthol-aldehyd, Beta, 23
Naphthochinon, compounds with Toluidin, etc., 19
Naphthalene, etc., Compounds with $SbCl_3$, 60
Nitrils, Conversion to imides, 123
Nitrates, Fermentation of, 117
Nitrates, Reduction of, in soils, 117
Nitrates, Reduction of, in soils, 118
Nitrates, Reduction of, in soils, 119
Nitro-benzyl cyanide, Diazo derivations, 96
Nitroso-malonic acid, 131
Nitrogen, Behavior in destructive distillation, 95
Nitrogen, Determination of, 243
Nitrous anhydride on Glycerol, 233
Nitric oxide, Copper, zinc couple on, 233
Nux-vomica, Alkaloids of, 95

O

Œnanthol-aniline, œnanthal-xylidine and œnanthal-naphthylamine, A. R. Leeds, 2, 66
Œnynthaldehyde, Condensation products of, 94
Œnocyanine, 119
Oil, Castor, Solid residue from distillation of, in vacuo, A. R. Leeds, 4
Oil, Essential, Carvacrol in, 24
Orcinol, etc., 61
Oils, Mustard, Preparation, 26
Organic substances, etc., 74
Oxalines and glyoxalines, 19
Oxalic acid, Synthetical, 50
Oxygen, Active, A. R. Leeds, 19
Oxygen, Atomation of, A. R. Leeds, 204
Oxygen, Nascent, A. R. Leeds, 78

P

Palladium or Platinum with CO_2, etc., 62
Paper, New industrial method of preparing pulp, 122
Paraffin, Specific gravity, 236

Paraffines, Easy method of preparing, 130
Pentathionates, 233
Pentathionic acid, 234
Petroleum, Flashing point, 53
Phenanthrenchinon, Phosphorus chlorides on, 69
Phenates, Amido-bases, 100
Phenanthraquinone, Condensation products of, 92
Phenols, Action of Diazoanisole chloride on, etc., J. H. Stebbins, 32, 55
Phenyl-phosphin, Di- and tri-, 22
Phosphate, Decomposition of, at high temperatures, 119
Phosphates, Alkaline, with indications, 53
Phosphorus chlorides on phenanthrenchinon, 69
Phosphorus, Chlorinated compounds of, 120
Phosphoric acid, Determination of, 52
Phosphoric acid, Estimation, 243
Phthalic anhydride and xylols, Acids from, 17
Phthalic anhydride on chinolin, 67
Phtalylacetic acid ether, 238
Piperin, Artificial, 28
Piperidin, 131
Piperidin, Oxidation of, 133
Pipette, New overflow, Geo. S. Eyster, 218
Plant fibres, Analysis of, 92
Platinic iodide, A test reagent for, etc., A. R. Leeds, 74
Platinum or Palladium with CO_2, etc., 62
Potassium Iodide, Sulphuric acid on, 232
Potassium sesquicarbonate, 66
Proceedings, January meeting, 1
" February meeting, 31
" May meeting, 71
" June meeting, 103
Protoplasm, Reducing properties of, 20
Pyridin, 131
Pyro-sulphuryl-chloride, 126
Pyrrol, potassium compound of, 64

Q

Quinoline, Belonging to aromatic series, 61

R

Resorcin, Nitro-derivatives of, 129
Rotation, Left-handed solutions, Geo. S. Eyster, 104

S

Saccharin, Contribution to knowledge of, 20
Salicylic acid, determination of, 118
Salicylic acids, Iodo-, etc., 29, 59
Samarium and its compounds, 234
Silk, Absorption of weak reagents by, 98
Silver, Ammonical solution as reagent, 50
Silver, Chloride, Bromide, etc., 245
Silver Cyanide, Detection of, 245
Soap, Analysis of, A. R. Leeds, 44
Solutions, Volume alteration of salt, 97
Spectra, homologous, 236
Steel, Carbon in, 114
Succinic anhydride, Decomposition of, etc., 18
Sugar, Action of light and heat on, 232
Sugar beet, 118
Sugar beet, 119
Sugar beet, 119
Sulphur, Burning with phosphorescent flame, β5
Sulphocyanpropimin, 122
Sulphocyanaceton, 122
Sulphuric acid action on lead, L. Pitkin, 222, 224

T

Tartaric and citric acids, 231
Tellurium, New oxide of, 115
Tellurium, Reactions of, 116
Tellurium, Sulphoxide of, 116
Test for organic impurities in water. 74
Thioxalic ether, 236
Thorinium, Atomic weight of, 118
Tin, Disulphide and diselenuride of, 117
Titanium, Estimation of, 54
Toluenes dihydrox-, etc., 61
Toluidin and anilin, Methylating, etc., 64
Toluidin, etc., Compounds with naphthochinon, 19
Toluidine, Oxypropyl, 29, 58
Triacetonalkylamin, 134
Triphenylmethane, Violet derivatives of, 241

U

Urea, Acrolein-, A. R. Leeds, 36
Uranium, Properties and atomic weight, 25
Uranium, Fluorine compounds of, 97
Urine, Paraxanthin in, 65

V

Vanadin trichlorid from vanadintrisulphid, 50
Vitriol, Electrolysis of oil of, 232

W

Water test for organic impurities, 74
Wines, Artificially colored, 23
Wool, Absorption of weak reagents by, 98

X

Xanthin-para- in urine, 65
Xylidine-acrolein, by A. R. Leeds, 1
Xylidine, Œnanthol-, etc., A. R. Leeds, 2, 66
Xylols and phthalic anhydride, Acids from, 17

Z

Zinc dust and sulphur, Experiment, 53